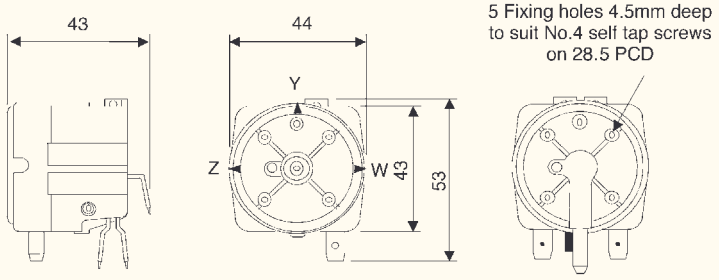
6731 / 6732 ~ Low Pressure Switches





Benefits

- These switches have been designed primarily for the OEM manufacturer who requires low cost and high reliability
- UL recognised versions available
- The switches have excellent repeat accuracy
- Double pole switching available upon request
- Wide choice of microswitch options including tab configurations

Model No	6731-03	6731-06	6731-10
Electrical Switch	Single Pole change over	Single Pole change over	Single Pole change over
Contact Rating	3(1)A 250V ac	10(3)A 250V ac	21(8)A 250V ac
Pressure Connection	Side entry spout 4mm O/D	Side entry spout 4mm O/D	Side entry spout 4mm O/D
Setting Accuracy	± 10% as std	± 10% as std	± 10% as std
Withstand Pressure	25 PSI	25 PSI	25 PSI
Body Material	Nylon 12	Nylon 12	Nylon 12
Temperature Range	-5˚C to + 70˚C	-5˚C to + 70˚C	-5˚C to + 70˚C
Diaphragm	Neoprene	Neoprene	Neoprene
Spring	Spring steel	Spring steel	Spring steel
Weight	50gm	50gm	50gm

Model No	Pressure Range		Differential (Fixed)
	Inches Water	mm Water	
6731-03	1.5 - 7	40 - 180	See chart 1
6731-06	5 - 25	127 - 635	See chart 1
6731-10	20 - 55	510 - 1400	See chart 1

Special options are available for quantity orders

- Switches set to specific operating pressure, rising or falling
- Diaphragms in silicon rubber, nitrile, EPDM
- Switches with wide or close differentials
- Springs in stainless steel

Pressure Switches		6731-03		6731-06			6731-10		
Average Life Expectancy	Mechanical	2 x 10^6		2 x 10^6			1.0 x 10^6		
	Electrical	0.2 x 10^6 @ 1A		0.2 x 10^6 @ 6A 50K @ 10A			0.2 x 10^6 @ 10A 10K @ 21A		
Electrical Rating		Max Electrical Load		Max Electrical Load			Max Electrical Load		
	Voltage	Resistive	Inductive	Resistive	Inductive	Motor (Pf0.75)	Resistive	Inductive	Motor (Pf0.75)
	125V	3A	1A	10A	3A	0.5HP	21A	15A	1HP
AC	250V	3A	1A	10A	3A	0.5HP	21A	15A	2HP
DC	6V	3A	1A	10A	3A		21A	21A	
	12V	3A	1A	5A	3A		15A	15A	
	24V	1A	0.5A	5A	3A		8A	7A	
	60V	1A	0.5A	1A	0.5A		1A	0.5A	
	110V	0.5A	0.2A	0.5A	0.2A		0.5A	0.2A	
	220V	0.25	0.1A	0.25A	0.1A		0.25A	0.1A	
Switch Standards:		EN 61058							
Approvals Available		CE, UL, CSA, ENEC							

Note: Dry Switching
If switching low power circuits, low current (4 to 100 milliamperes) and low voltage (below 30V), consult herga for special switches.

NB - Herga do not accept liability for any pressure operated device used outside the pressure range specified by the company.

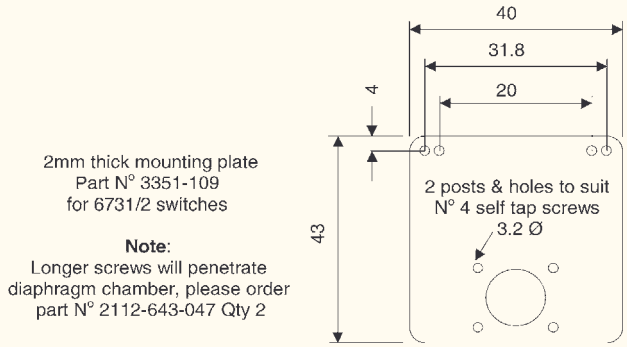
As a consequence of our policy of continual improvement, we reserve the right to change without notice any detail in this publication. Please see our Conditions of Sale.

6731 / 6732 ~ Low Pressure Switches

Suitability for use with different operating media

Pressure Medium	Diaphragms
Chemical Compatibility	6731
Acetone	☑
Ammonia (Liquid)	☑
Amyl Alcohol to 20˚C	☑
Automotive Brake Fluid	☑
Beer	☑
Benzyl Alcohol	✗
Butane	✓
Carbon Dioxide - Dry	✓
Citric Acid	✓
Copper Sulphate (Sol.)	☑
Compressed Air	✓
Cutting Oil	✓
Diesel Oil	✓
Detergent Solution	✓
Fuel Oil	✓
Glycol	✓
Hydraulic Oil	✓
Hydrogen	✓
Lubricating Oil	✓
Milk	☑
Mineral Oil	✓
Natural Gas	✓
Nitric Acid (Dil.)	✗
Oxygen to 70˚C	✓
Petrol	✓
Plating Solution (Chrome)	☑
Salt Water	☑
Sewage	✓
Sulphur Dioxide	✗
Turpentine	✓
Vinegar	☑
Water	✓

Key: ✓ = Recommended
☑ = Suitable with modification
✗ = Not suitable

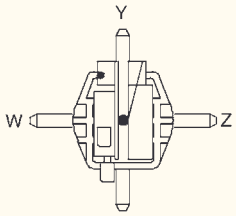


2mm thick mounting plate
Part N° 3351-109
for 6731/2 switches

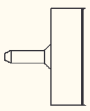
Note:
Longer screws will penetrate diaphragm chamber, please order part N° 2112-643-047 Qty 2

Alternative Pressure Connections

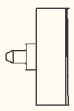
Back Entry 1/8" BSPT and NPT Pressure Connectors



Non standard tube connection positions for 4mm Ø spout connection. Not recommended for pressure over 20 PSI

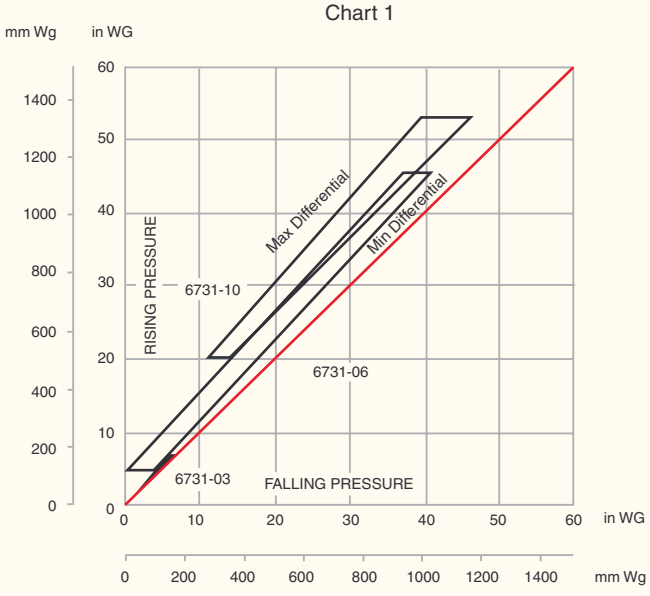


Back entry 6.4mm Ø spout

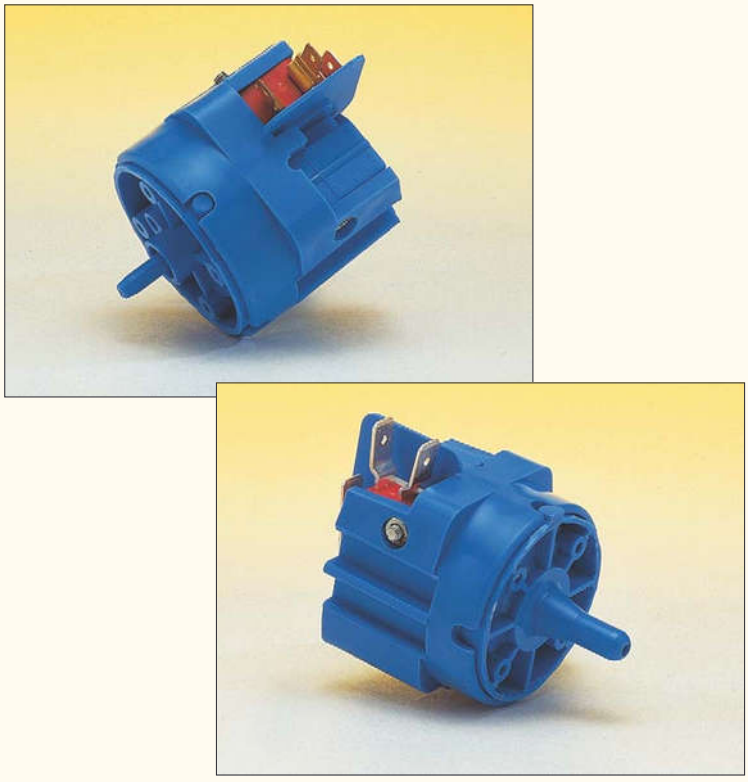


Back entry 4mm Ø spout

Chart 1

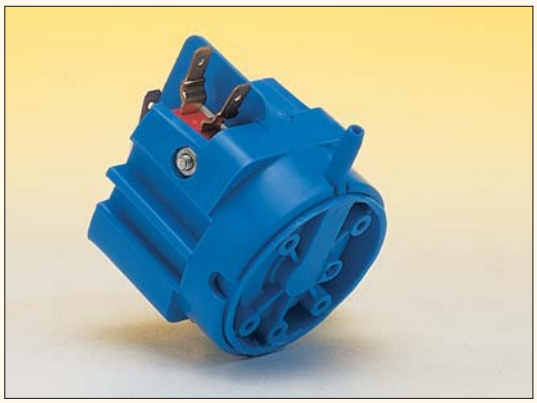


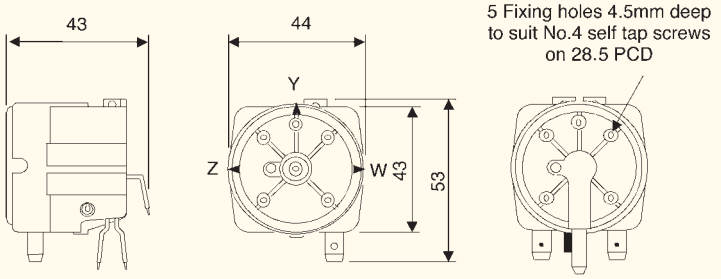
Note: Differentials are approximate



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6731 / 6732 ~ Niederdruckschalter





- Zuverlässige Druckschalter für den Niederdruckbereich
- UL - anerkannte Ausführung erhältlich

- Ausgezeichnete Reproduzierbarkeit des Schaltpunktes
- ZweipoligeSchalter auf Anfrage
- Große Auswahl an Mikroschaltern/-anschlüssen

Modell	6731-03	6731-06	6731-10
Elektr. Schalter	Einpoliger Um-schaltkontakt	Einpoliger Um-schaltkontakt	Einpoliger Um-schaltkontakt
Kontaktbelastg.	3(1)A 250V AC	10(3)A 250V AC	21(8)A 250V AC
Druck-anschluß	seitlich 4mm A/D	seitlich 4mm A/D	seitlich 4mm A/D
Einstellgenauigk.	± 10%	± 10%	± 10%
Max. Gehäusedruck	25 PSI	25 PSI	25 PSI
Mat. Gehäuse	Nylon 12	Nylon 12	Nylon 12
Membran	Neopren	Neopren	Neopren
Feder	Stahlfeder	Stahlfeder	Stahlfeder
Gewicht	50g	50g	50g

Modell	Arbeitsbereich		Hysterese (fest)
	Inches Wasser	mm Wasser	
6731-03	1.5 - 7	40 - 180	Tabelle 1
6731-06	5 - 25	127 - 635	Tabelle 1
6731-10	20 - 55	510 - 1400	Tabelle 1

Sonderausführungen für größere Mengenabnahmen möglich:

- Schalterjustierung gemäß Anforderung - Druck steigend oder fallend
- Membran aus Silikon, Nitril oder EPDM
- Schalter mit großer oder kleiner Hysterese
- Federn aus Edelstahl

Modell		6731-03		6731-06			6731-10		
Durchschnittl. Lebensdauer	Mechanisch	2×10^6		2×10^6			1.0×10^6		
	Elektrisch	$0{,}2 \times 10^6$ @ 1A		$0{,}2 \times 10^6$ @ 6A 50K @ 10A			$0{,}2 \times 10^6$ @ 10A 10K @ 21A		
		Max. elektrische Belastung		Max. elektrische Belastung			Max. elektrische Belastung		
	Spannung	ohmisch	induktiv	ohmisch	induktiv	Motor (Pf0.75)	ohmisch	induktiv	Motor (Pf0.75)
	125V	3A	1A	10A	3A	0,5HP	21A	15A	1HP
AC	250V	3A	1A	10A	3A	0,5HP	21A	15A	2HP
DC	6V	3A	1A	10A	3A		21A	21A	
	12V	3A	1A	5A	3A		15A	15A	
	24V	1A	0,5A	5A	3A		8A	7A	
	60V	1A	0,5A	1A	0,5A		1A	0,5A	
	110V	0,5A	0,2A	0,5A	0,2A		0,5A	0,2A	
	220V	0,25	0,1A	0,25A	0,1A		0,25A	0,1A	
Anwendbare Standards:		EN 61058							
Verfügbare Zulassungen:		CE, UL, CSA, ENEC							

Anmerkung: Beim Schalten von Trockenlasten, Kleinströmen 4-100 mA, Kleinspannungen unter 30 V fragen Sie uns für weitere Informationen.

Herga übernimmt keinerlei Gewährleistung, wenn der Schalter außerhalb der vorgegebenen Spezifikationen eingesetzt wird.

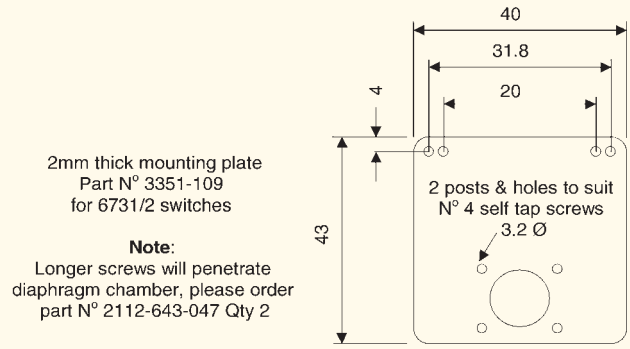
Aufgrund ständiger Produktverbesserungen behalten wir uns technische Änderungen vor. Bitte beachten Sie unsere Verkaufsbedingungen.

6731 / 6732 ~ Niederdruckschalter

Eignung für verschiedene Betriebsmedien

Druck	Membran
Chemische Verträglichkeit	6731
Aceton	☑
Ammoniak (flüssig)	☑
Amylalkohol bis 20 C	☑
Kraftwagen-Bremsflüssigkeit	☑
Bier	☑
Benzylalkohol	✕
Butan	✓
Kohlendioxid (trocken)	✓
Zitronensäure	✓
Kupfersulfat (Lösung)	☑
Preßluft	✓
Schneidöl	✓
Dieselöl	✓
Reinigungsmittellösung	✓
Heizöl	✓
Glycol	✓
Hydrauliköl	✓
Wasserstoff	✓
Schmieröl	✓
Milch	☑
Mineralöl	✓
Erdgas	✓
Salpetersäure (verdünnt)	✕
Sauerstoff bis 70 C	✓
Benzin	✓
Plattierlösung (Chrom)	☑
Salzwasser	☑
Abwasser	✓
Schwefeldioxid	✕
Terpentin	✓
Essig	☑
Wasser	✓

Erl.: ✓ = Empfohlen
☑ = Bei Abänderung empfohlen
✕ = Nicht geeignet

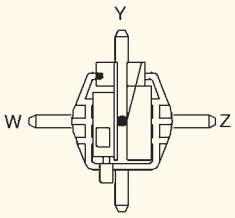


2mm thick mounting plate
Part N° 3351-109
for 6731/2 switches

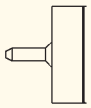
Note:
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Alternative Pressure Connections

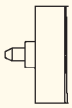
Back Entry 1/8" BSPT and NPT Pressure Connectors



Non standard tube connection positions for 4mm Ø spout connection. Not recommended for pressure over 20 PSI

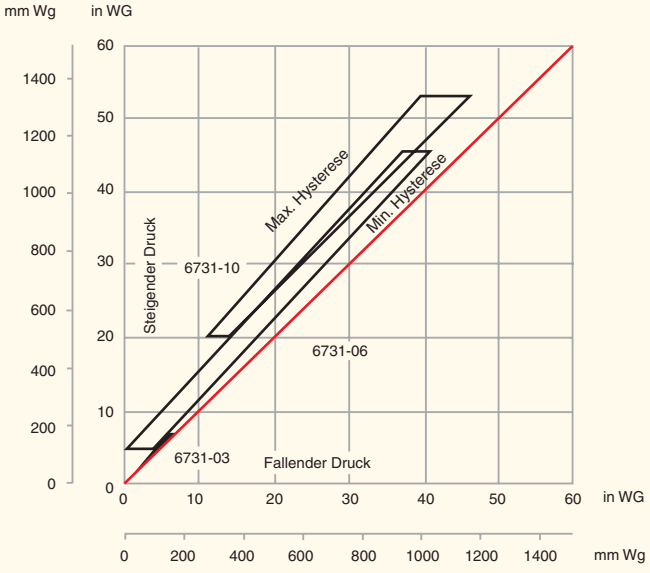


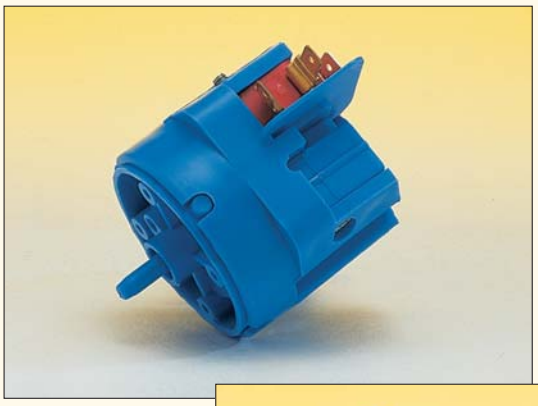
Back entry
6.4mm Ø spout

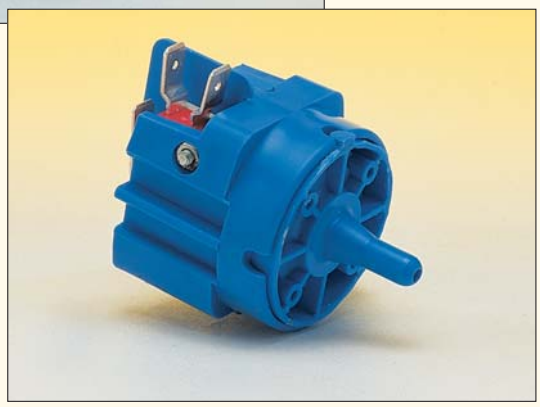


Back entry
4mm Ø spout

Tabelle 1







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